BBA

Lipids and Lipid Metabolism

Vol. 1167, 1993

Cumulative Contents

Information for Contributors vii

Regular Papers

Structure determination of glycosphingolipids of cultured human keratinocytes
S. Hamanaka, T. Takemoto, Y. Hamanaka, C. Asagami, M. Suzuki, A. Suzuki and F. Otsuka (Japan) 1

The effect of the HMG-CoA reductase inhibitor simvastatin and of cholestyramine on hepatic apolipoprotein mRNA levels in the rat
A. Mitchell, N. Fidge and P. Griffiths (Australia) 9

Phosphatidylethanolamine derived from phosphatidylserine is deacylated and reacylated in rat hepatocytes
R.W. Samborski and D.E. Vance (Canada) 15

Lipoprotein and apoprotein profile of Japanese quail
H. Oku, M. Ishikawa, J. Nagata, T. Toda and I. Chinen (Japan) 22

Phosphorylation is involved in transcriptional activation by the 1,25-dihydroxyvitamin D_3 receptor
H.M. Darwish, J.K. Burmester, V.E. Moss and H.F. DeLuca (USA) 29

Regulation of hepatic and non-hepatic apolipoprotein A-I and E gene expression during liver regeneration
A. Panduro, L. Castrillón, L. González and D.A. Shafritz (Mexico, USA) 37

Kinetic analysis and substrate specificity of a lysophospholipase from the macrophage-like cell line $P388D_1$
R.E. Stafford, Y.-Y. Zhang, R.A. Deems and E.A. Dennis (USA) 43

The effect of surface charge on the hydrolysis kinetics of partially hydrogenated egg phosphatidylcholine and egg phosphatidylglycerol in aqueous liposome dispersions
M. Grit and D.J.A. Crommelin (The Netherlands) 49

A phospholipase A_2 inhibitor decreases generation of thiobarbituric acid reactive substance during lung ischemia-reperfusion
A.B. Al-Mehdi, C. Dodia, M.K. Jain and A.B. Fisher (USA) 56

Different effects of the hypolipidemic drugs pravastatin and lovastatin on the cholesterol biosynthesis of the human ocular lens in organ culture and on the cholesterol content of the rat lens in vivo
A.C.J. De Vries and L.H. Cohen (The Netherlands) 63

Different hydrolytic efficiencies of adipose tissue lipoprotein lipase on very-low-density lipoprotein subfractions separated by heparin-Sepharose chromatography
D. Gómez-Coronado, G.T. Sáez, M.A. Lasunción and E. Herrera (Spain) 70

The effects of probucol on the levels, structure, composition and metabolism of plasma lipoprotein in rats
S. Eisenberg (Israel) 79

Signal-transduction mechanisms of ATP-stimulated phosphatidylcholine secretion in rat type II pneumocytes: interactions between ATP and other surfactant secretagogues
M. Griese, L.I. Gobran and S.A. Rooney (USA) 85

Phosphoinositides in giant barnacle muscle fibers: a quantitative analysis at rest and following electrical stimulation
D. Compagnon, N. Lagos and J. Vergara (USA) 94

Differential effects of 15-HPETE and 15-HETE on BHK-21 cell proliferation and macromolecular composition
Y.V. Kiran Kumar, A. Raghunathan, S. Sailesh, M. Prasad, M.C. Vemuri and P. Reddanna (India) 102

Regular Papers

Evidence that liver microsomes of human neonates desaturate essential fatty acids
J.-P. Poisson, R.-P. Dupuy, P. Sarda, B. Descomps, M. Narce, D. Rieu and A. Crastes de Paulet (France) 109

Phase behavior of mixtures of DPPC and POPG
T. Wiedmann, A. Salmon and V. Wong (USA) 114

Lipids and oxidised lipids in human atheroma and normal aorta
K.L.H. Carpenter, S.E. Taylor, J.A. Ballantine, B. Fussell, B. Halliwell and M.J. Mitchinson (UK) 121

Effects of differentiation on the phospholipid and phospholipid fatty acid composition of N1E-115 neuroblastoma cells
E.J. Murphy and L.A. Horrocks (USA) 131

Occurrence of two nonmethylene-interrupted Δ^5 polyunsaturated fatty acids in a Δ^6-desaturase-defective mutant of the fungus *Mortierella alpina* 1S-4
S. Jareonkitmongkol, S. Shimizu and H. Yamada (Japan) 137

Fatty acid composition of lecithin is a key factor in bile metastability in supersaturated model bile systems
S. Tao, S. Tazuma and G. Kajiyama (Japan) 142

Formation of prostanoids and hydroxy fatty acids by stimulated peritoneal mast cells: role of the dietary fat type in rat
C.M.C.J. Van Haaster, W. Engels, P.J.M.R. Lemmens, G. Hornstra and G.J. Van der Vusse (Netherlands) 147

Stimulation of acyl-CoA:cholesterol acyltransferase activity by brefeldin A in macrophage J774 cells
K. Hasumi, S. Naganuma, J. Koshizawa, H. Mogi and A. Endo (Japan) 155

Intestinal perfusion of β-carotene in the ferret raises retinoic acid level in portal blood
X.-D. Wang, R.M. Russell, R.P. Marini, G. Tang, G.G. Dolnikowski, J.G. Fox and N.I. Krinsky (USA) 159

Arachidonic acid metabolism of rat peritoneal macrophages after passive sensitization and allergen challenge
C. M'Rini-Puel, J.-F. Thardin, M.-F. Forgue, C. Cambon, M.-H. Seguelas and B. Pipy (France) 165

The hypocholesterolemic effect of sulfur-substituted fatty acid analogues in rats fed a high carbohydrate diet
J. Skorve and R.K. Berge (Norway) 175

Stimulation of mycolic acid biosynthesis by incorporation of *cis*-tetracos-5-enoic acid in a cell-wall preparation from *Mycobacterium smegmatis*
P.R. Wheeler, G.S. Besra, D.E. Minnikin and C. Ratledge (UK) 182

Acylcarnitine formation and fatty acid oxidation in hepatocytes from rats treated with tetradecylthioacetic acid (a 3-thia fatty acid)
S. Skrede and J. Bremer (Norway) 189

Dependence of the plasma triacylglycerol-lowering effect of fish oil on insulin replacement in streptozotocin diabetic rats
J.K. Baltzell, R.L. Jenkins, J.T. Wooten and D.A. Otto (USA) 197

Lysosomal phosphatidylcholine: *bis*(monoacylglycero)phosphate acyltransferase: Specificity for the *sn* − 1 fatty acid of the donor and co-purification with phospholipase A_1
S.J. Huterer, K.Y. Hostetler, M.F. Gardner and J.R. Wherrett (Canada, USA) 204

A comparative study of low-density lipoprotein interaction with glycosaminoglycans
M. Gigli, G. Ghiselli, G. Torri, A. Naggi and V. Rizzo (Italy) 211

Rapid Reports

A novel member of the lipocalin superfamily: tammar wallaby late-lactation protein
C. Collet and R. Joseph (Australia) 219

Effect of fluvastatin sodium (XU62-320), a new inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase, on the induction of low-density lipoprotein receptor in HepG2 cells
K. Hayashi, J.-i. Kurokawa, S. Nomura, Y. Kuga, Y. Ohkura and G. Kajiyama (Japan) 223

Review

Regulation of fatty acid oxidation in mammalian liver
M. Guzmán and M.J.H. Geelen (Spain, The Netherlands) 227

Regular Papers

Lipid composition of the vacuolar membrane of *Acer pseudoplatanus* cultured cells
E. Tavernier, D. Lê Quôc and K. Lê Quôc (France) 242

Octadecatetraenoate synthesis in the unicellular alga *Isochrysis galbana*: studies with intact and broken chloroplasts
N. Stern and A. Tietz (Israel) 248

In vivo conversion of recombinant human proapolipoprotein AI (rh-Met-proapo AI) to apolipoprotein AI in rabbits
K. Saku, R. Liu, K. Ohkubo, H. Bai, K. Hirata, K. Yamamoto, Y. Morimoto, K. Yamada and K. Arakawa (Japan) 257

Adsorption, compression and stability of surface films from natural, lipid extract and reconstituted pulmonary surfactants
S.-H. Yu and F. Possmayer (Canada) 264

Metal ion and salt effects on the phospholipase A_2, lysophospholipase, and transacylase activities of human cytosolic phospholipase A_2
L.J. Reynolds, L.L. Hughes, A.I. Louis, R.M. Kramer and E.A. Dennis (USA) 272

Competitive inhibition of lipolytic enzymes. IX. A comparative study on the inhibition of pancreatic phospholipases A_2 from different sources by (*R*)-2-acylamino phospholipid analogues
G.H. De Haas, R. Dijkman, R.B. Lugtigheid, N. Dekker, L. Van den Berg, M.R. Egmond and H.M. Verheij (The Netherlands) 281

Kinetics of the interaction of amphipathic α-helical peptides with phosphatidylcholines
L.R. McLean and K.A. Hagaman (USA) 289

Incorporation of stearic acid (18:0) and palmitic acid (16:0) in phospholipid molecular species studied in isolated rat liver cells
B. Woldseth, E. Christensen and B.O. Christophersen (Norway) 296

Inhibition of oxidized low-density lipoprotein metabolism in macrophage J774 by helvolic acid
C. Shinohara, K. Hasumi and A. Endo (Japan) 303

Characterization of the in vitro conversion of dolichol to dolichoate in bovine thyroid
G. Van Dessel, A. Lagrou, H.J. Hilderson and W. Dierick (Belgium) 307

Preparation and characterization of spheroidal, reconstituted high-density lipoproteins with apolipoprotein A-I only or with apolipoprotein A-I and A-II
K.-A. Rye, K.H. Garrety and P.J. Barter (Australia) 316

Is there a specific lysophospholipase in human pancreatic juice?
R.-D. Duan and B. Borgström (Sweden) 326

The interaction between β-carotene and lipoxygenase in plant and animal systems
L. Lomnitski, R. Bar-Natan, D. Sklan and S. Grossman (Israel) 331

Regulation of synthesis of lactosylceramide in normal and tumor proximal tubular cells
S. Chatterjee (USA) 339

Studies on phytanic acid α-oxidation in rat liver and cultured human skin fibroblasts
R.J.A. Wanders and C.W.T. Van Roermund (The Netherlands) 345

Cumulative Contents, Vol. 1167 351

Author Index 354